

Claims

(Original)

1. A system for the production of composite material slabs, characterized in that the materials are unloaded from one or more mixers to hoppers unloading the same to one or more extractor/conveyor belts that
5 feed the material to a homogenizing disc rotating about its vertical axis and feeding the material to conveyor belts that convey it to a levelling hopper (18), from which a double-stroke belt (19) takes the mixture by the movement of its mat and unloads it
10 homogeneously to the levelling hopper (20) by its linear movement, from which it is taken by an extracting belt causing the material to distribute along its length whereupon the material is unloaded to the underlying levelling hopper (22), and while the
15 belt (21) starts its movement to the opposite direction, the levelling hopper (22) integral to the belt starts to unload the material to the underlying mould (23), thus covering the whole surface thereof and filling the same.

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(Original)

2) The system of claim 1, characterized in that before the extracted mixture is fed to the homogenizing disc, it passes through one or more pairs of rollers capable of avoiding any lumps.

25

*(currently amended)**claim 1*

3. The system of ~~the preceding claims~~, characterized in that an amount of liquid or powdered colour can be injected into the mixture distributed on the

extracting belt before or during the transport step to the mould by means of colour batchers by fall or spray so that product with veins or leopard skin can be provided.

5 *(currently amended)* claim 1

4. The system of ~~the preceding claims~~, characterized in that mixtures of silica, granulates, binding agents with different colours distributed by little belts to the extracting belt can be provided by means of little mixers located at a height above the extracting belt feeding the mould so that leopard skin colourings or veined products can be obtained.

10 *(currently amended)*
5. A method of producing composite material slabs made by using the system of ~~the preceding claims~~. claim 1.

15 *(currently amended)*
6. Slabs of composite material made according to the method carried out by the system of ~~the preceding claims~~. claim 1.